

CLAIMS

- 1/ A fluid dispenser (100; 200; 300; 400) for dispensing a fluid in liquid or in powder form, said dispenser including a reservoir (12) serving to contain fluid, and
5 a dispensing orifice (114; 214; 314; 414) via which the fluid is dispensed, said reservoir (12) having an actuating wall (111; 211; 311; 411) and a backing wall (112; 212; 312; 412), said walls be adapted to be brought
10 towards each other by elastic deformation to reduce the volume of the reservoir, and thus to deliver fluid through the dispensing orifice, said dispenser further comprising a one-piece body (110; 210; 310; 410) and of at least one flexible sealing film (120; 220; 320; 421; 422), the actuating wall and the backing wall being
15 formed by the one-piece body, characterized in that the actuating wall and the backing wall are angularly positioned relative to each by forming an angle that decreases when they are brought towards each other.
- 20 2/ A dispenser according to claim 1, in which the dispensing orifice is formed by the one-piece body.
- 3/ A dispenser according to claim 1, in which the body defines a head portion (113; 213; 313; 413) which
25 connects the actuating wall to the backing wall, said head portion remaining substantially static while the actuating wall and the backing wall are being brought elastically towards each other, the dispensing orifice being formed by the head portion.
- 30 4/ A dispenser according to claim 3, in which the actuating wall (111; 211; 311; 411) is hinged elastically to the head portion.

5/ A dispenser according to claim 3, in which the actuating wall (111; 211; 311; 411) is elastically deformable.

5 6/ A dispenser according to claim 4, in which the backing wall (112; 212; 312; 412) is symmetrically identical to the actuating wall about the head portion.

7/ A dispenser according to claim 3, in which the
10 actuating wall and the backing wall converge mutually at the head portion.

8/ A dispenser according to claim 1, in which the actuating wall and the backing wall are substantially
15 plane and rigid.

9/ A dispenser according to claim 1, including a piece of porous material (130; 230; 330; 430) suitable for being impregnated with fluid, said piece being disposed
20 adjacent to the dispensing orifice (114; 214; 314; 414).

10/ A dispenser according to claim 9, in which the body defines a head portion (113; 213; 313; 413) forming the dispensing orifice (114; 214; 314; 414), said portion
25 forming retaining means (2133; 3134; 4133) for holding the piece of porous material (130; 230; 330; 430) adjacent to the dispensing orifice.

11/ A dispenser according to claim 3, in which the head
30 portion forms an elongate end-piece (3134) at the free end of which the dispensing orifice is formed (314).

12/ A dispenser according to claim 1, in which the actuating wall and the backing wall are interconnected by
35 deformable side panels (215; 315).

13/ A dispenser according to claim 1, in which the body
(210; 310; 410) is provided with at least one plane
peripheral fixing zone (2161; 3161; 4161, 4162) to which
5 a plane sealing film (220; 320; 421, 422) is fixed.

14/ A dispenser according to claim 1, in which the body
(210; 310) is made by injection molding.

10 15/ A dispenser according to claim 1, in which the body
(110) is made from a plane sheet that is cut and then
folded, the dispensing orifice (114) being situated at
the fold.

15 16/ A dispenser according to claim 1, in which the body
(110; 410) is made from an extruded shaped-section
member.

17/ A dispenser according to claim 1, in which the
20 actuating wall (411) and the backing wall (412) are
connected together via an elastically deformable coupling
web (416) formed by the one-piece body (410).

18/ A dispenser according to claim 1, made up only of the
25 one-piece body, of one or more sealing films, and
optionally of a piece of porous material suitable for
being impregnated with fluid and disposed in the
immediate vicinity of the dispensing orifice.

19/ A dispenser according to claim 1, in which the
30 elastic deformation is provided by the one-piece body
which has elastic resilience suitable for returning it to
a rest position, in which the actuating wall is as far
away as it can be from the backing wall.

20/ A dispenser according to claim 1, in which the actuating wall is mounted to pivot relative to the backing wall.

5 21/ A dispenser according to claim 3, in which the head portion is elastically deformable.

22/ A fluid dispenser having a body comprising two blades respectively defining said actuating and backing walls,
10 said two blades being connected together at a coupling portion so that the blades pivot relative to each other by elastical deformation of the coupling portion, said two blades being connected together by a sealing film.

15 23/ A fluid dispenser comprising a body constituted by a slice of deformable cylinder having two edges (4161, 4162) on which two sealing films (421, 422) are respectively secured.